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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
09/892,213	06/25/2001	Gregory J. May	10007599-1	1444

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07/01/2005

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EXAMINER

BUI, BING Q

ART UNIT PAPER NUMBER

2642

DATE MAILED: 07/01/2005

Please find below and/or attached an Office communication concerning this application or proceeding.

Office Action Summary

Application No.

09/892,213

Applicant(s)

MAY, GREGORY J.

Examiner

Bing Q. Bui

Art Unit

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-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☒ Responsive to communication(s) filed on 01 March 2005.
- 2a) ☐ This action is **FINAL**. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 1-19 and 29-50 is/are pending in the application.
- 4a) Of the above claim(s) _____ is/are withdrawn from consideration.
- 5) ☐ Claim(s) _____ is/are allowed.
- 6) ☒ Claim(s) 1-19 and 29-50 is/are rejected.
- 7) ☐ Claim(s) _____ is/are objected to.
- 8) ☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☒ The drawing(s) filed on 01 March 2005 is/are: a) ☒ accepted or b) ☐ objected to by the Examiner.
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some * c) ☐ None of:
1. ☐ Certified copies of the priority documents have been received.
 2. ☐ Certified copies of the priority documents have been received in Application No. _____.
 3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).
- * See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

- | | |
|--|---|
| 1) <input checked="" type="checkbox"/> Notice of References Cited (PTO-892) | 4) <input type="checkbox"/> Interview Summary (PTO-413)
Paper No(s)/Mail Date. _____ |
| 2) <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948) | 5) <input type="checkbox"/> Notice of Informal Patent Application (PTO-152) |
| 3) <input type="checkbox"/> Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08)
Paper No(s)/Mail Date _____ | 6) <input type="checkbox"/> Other: _____ |

DETAILED ACTION

Response to Amendment

1. Applicant's Amendment filed on 01 March 2005 has been entered. No claims have been amended. Claims 20-28 have been cancelled. No claims have been added. Claims 1-19 and 29-50 are still pending in this application, wherein claims 1, 12, 29, 44 and 50 being independent.

Allowable Subject Matter

2. The indicated allowability of claims 1-19 and 29-50 is withdrawn in view of the newly discovered reference(s) to Castell et al (US Pat No. 6,717,801) and Jones et al (US Pat No. 6,509,876). Rejections based on the newly cited reference(s) follow.

Claim Rejections - 35 USC § 103

3. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

4. Claims 1-19 and 29-50 rejected under 35 U.S.C. 103(a) as being unpatentable over Castell et al (US Pat No. 6,717,801) in view of Jones et al (US Pat No. 6,509,876), herein after referred as Castell and Jones.

Regarding claim 1, referring to figures 3-4 and 8-10, Castell teaches an accessory (e.g., wireless adapter 200 in fig. 3 or 4) for transmitting signals, comprising:

a receptacle (e.g., wireless communication circuitry 300 in fig. 3) that accepts signals of a first format (e.g., digital signal) from a computing unit (e.g., portable computer 400 in fig. 4) (see col. 5, ln 40-col. 6, ln 21);

a converter, coupled to said receptacle, which converts said signals of a first format (e.g., digital signal) to signals of a second format (e.g., analog signal) (see col. 5, ln 40-col. 6, ln 21); and

an aperture (e.g. antenna 340 in fig. 3), coupled to said converter, which transmits said signals of said second format (e.g., analog signal) (see fig. 3; and col. 3, lns 48-55; and col. 6, lns 40-58).

Castell fails to teach his aperture (e.g. antenna 340 in fig. 3) being further coupled to a resilient element that extends said accessory from a compressed state, said extension influencing transmission of said signals of a second format. However, Jones teaches a antenna system 30 (an aperture) being coupled to a resilient element that extends said accessory from a compressed state, said extension influencing transmission of said signals of a second format (see figs 8-13; and col. 10, ln 45-col. 12, ln 6). Therefore, integrating Jones' teachings into communication system of Castell would have been obvious for saving power and/or battery life.

Regarding claim 2, referring to figures 3-4 and 8-10, Castell teaches the accessory (e.g., wireless adapter 200 in fig. 3 or 4) of claim 1 wherein said signals of a first format are in accordance with a universal serial bus protocol (see col. 6, lns 22-39).

Regarding claims 3 and 14, referring to figures 3-4 and 8-10, Castell teaches the accessory (e.g., wireless adapter 200 in fig. 3 or 4) of claim 1 wherein said aperture is an antenna (see fig. 3; and col. 3, lns 48-55; and col. 6, lns 40-58).

Regarding claim 4, referring to figures 3-4 and 8-10, Castell teaches the accessory (e.g., wireless adapter 200 in fig. 3 or 4) of claim 3 wherein said signals of a second format are in accordance with an IEEE 802.11B protocol (see col. 5, lns 19-32).

Regarding claim 5, referring to figures 3-4 and 8-10, Castell teaches the accessory (e.g., wireless adapter 200 in fig. 3 or 4) of claim 3 wherein said signals of a second formatted are in accordance with a Bluetooth protocol (see col. 5, lns 19-32)

Regarding claim 6, the feature that an antenna provides gain increased in some directions and decreased in other directions would be obvious.

Regarding claim 7, referring to figures 3-4 and 8-10, Castell teaches the accessory (e.g., wireless adapter 200 in fig. 3 or 4) accessory of claim 1 further comprising an infrared modulator coupled to said converter and said aperture (see col. 5, lns 53-58).

Regarding claims 8, 35-36 and 43, see Jones '876 (col. 9, lns 35-57).

Regarding claims 9-11, 19 and 37-42, see Jones '876 (figs 8-13; and col. 10, ln 45-col. 12, ln 6).

As to claims 12, 29, 44 and 50, they are rejected for the same reason pertaining to claim 1.

As to claims 13, 30 and 45, they are rejected for the same reason pertaining to claim 2.

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As to claims 15, 32 and 47, they are rejected for the same reason pertaining to claim 4.

As to claims 16, 31, 33, 46 and 48, they are rejected for the same reason pertaining to claim 5.

As to claims 17 and 49, they are rejected for the same reason pertaining to claim 6.

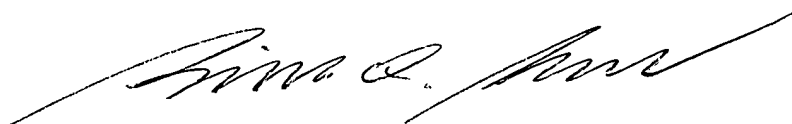
As to claims 18 and 34, they are rejected for the same reason pertaining to claim 7.

5. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Bing Bui whose telephone number is (571) 272-7482. The examiner can normally be reached on Monday through Thursday from 7:30 to 5:00.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Ahmad Matar, can be reached on (571) 272-7488. The fax phone number for the organization where this application or proceeding is assigned is (703) 872-9306 and for formal communications intended for entry (please label the response ☐EXPEDITED PROCEDURE☐) or for informal or draft communications not intended for entry (please label the response "PROPOSED" or "DRAFT").

Any inquiry of a general nature or relating to the status of this application or proceeding should be directed to the receptionist whose telephone number is (703) 305-4700.

14 June 2005



BING Q. BUI
PRIMARY EXAMINER